

(FILE 'USPAT' ENTERED AT 15:12:07 ON 10 JUN 1998)

L1 289 S LIST (P) TITLES
L2 51 S L1 AND AUDIO (P) OUTPUT
L3 43 S L2 AND DIGITAL
L4 20 S L3 AND VISUAL
L5 15 S L4 AND VIDEO
L6 14 S L5 AND SEQUE?
L7 14 S L6 AND AUDIO (P) OUTPUT
L8 14 S L7 AND SELEC?
L9 3 S L8 AND CRED?
L10 0 S L9 AND AUTHORI?
L11 5 S L8 AND AUTHORI?
L12 4 S L11 AND EDIT
L13 5 S L11

=> s 18

1241462 SELEC?
L14 14 L7 AND SELEC?

=> d 1-14

1. 5,742,730, Apr. 21, 1998, Tape control system; David A. Couts, et al., 386/69, 81 [IMAGE AVAILABLE]
2. 5,734,891, Mar. 31, 1998, Systems and apparatus for electronic communication and storage of time encoded information; Michael M. Saigh, 707/10, 104 [IMAGE AVAILABLE]
3. 5,734,853, Mar. 31, 1998, Set top terminal for cable television delivery systems; John S. Hendricks, et al., 348/1, 3, 6, 7; 380/20 [IMAGE AVAILABLE]
4. 5,652,824, Jul. 29, 1997, Multilingual recording medium and reproducing apparatus with automatic **selection** of substitutes and languages based on frequency of **selections**; Koichi Hirayama, et al., 386/95, 97, 105, 125, 126 [IMAGE AVAILABLE]
5. 5,621,579, Apr. 15, 1997, Method for **selectively** playing back programs recorded on a **video** tape; Henry C. Yuen, 386/121; 348/906; 360/69; 386/95 [IMAGE AVAILABLE]
6. 5,621,456, Apr. 15, 1997, Methods and apparatus for audio-**visual** interface for the display of multiple program categories; Fabrice Florin, et al., 348/7, 12, 13; 455/4.2, 5.1; 704/275 [IMAGE AVAILABLE]
7. 5,594,509, Jan. 14, 1997, Method and apparatus for audio-**visual** interface for the display of multiple levels of information on a display; Fabrice Florin, et al., 348/731, 565, 705, 734, 906; 704/275 [IMAGE AVAILABLE]
8. 5,586,235, Dec. 17, 1996, Interactive multimedia system and method; Ivan J. Kauffman, 707/500; 345/168, 302, 326 [IMAGE AVAILABLE]
9. 5,583,922, Dec. 10, 1996, Telecommunication system for automatic switching between voice and **visual** data communications using forms; Richard A. Davis, et al., 379/93.09, 93.17, 207 [IMAGE AVAILABLE]

=> s authorit? and credit and selectio? and sequenc? and video and audio

10215 AUTHORIT?
10961 CREDIT
266121 SELECTIO?
355056 SEQUENC?
95046 VIDEO
57535 AUDIO

L1 ND 55 AUTHORIT? AND CREDIT AND SELECTIO? AND SEQUENC? AND VIDEO A
AUDIO

=> s l1 and display and instructio? and edit? and storin?

235880 DISPLAY
104775 INSTRUCTIO?
84896 EDIT?
230643 STORIN?

L2 9 L1 AND DISPLAY AND INSTRUCTIO? AND EDIT? AND STORIN?

=> s l2 and play (P) back

96255 PLAY
791829 BACK
L3 10913 PLAY (P) BACK
0 L2 AND PLAY (P) BACK

=> s l2 and back

791829 BACK
L4 8 L2 AND BACK

=> d ab 1-8

US PAT NO: 5,832,488 [IMAGE AVAILABLE]

L4: 1 of 8

ABSTRACT:

A computer system and method for programming it for storage of individual medical histories on a storage device, preferably about the size of a credit card, for adding new medical data about the individual to the device and for communicating with other computers to retrieve large data records about the individual; and for enabling a second computer to collate and sort data relating to selected medical fields from the data of such individual and from the data about other individuals transferred to the second computer.

US PAT NO: 5,799,156 [IMAGE AVAILABLE]

L4: 2 of 8

ABSTRACT:

A system and method for processing telephone calls and providing enhanced services is presented. The call processing system includes a network control processor for controlling the processing and routing of the calls and for providing enhanced features, and a matrix switch for routing calls from an originating location to a terminating location. Operator consoles can be included to provide operator assistance to the caller. The network control processor comprises a central message processor that receives call data, determines the type of call, determines the

processing required, and determines whether operator assistance is required. A call center distributor allocates an operator console to the call if required. A billing server is used to track billing information for the call while it is in progress. A database server is provided for database look-ups and storage. The call processing system also includes a validation system, a billing system, a distribution system, and a fraud detection and prevention system. The validation system is used to validate call information to determine whether the call can be placed. The billing system determines rates for calls and calculates the cost of completed calls. The distribution system distributes changes that are made to a master database to the appropriate slave database. The fraud detection and prevention system monitors originating and in-process calls to detect and possibly prevent possible fraudulent uses of phone services and systems. A client interface is provided to facilitate communications among applications and DEF records are used to define specific call processing actions.

US PAT NO: 5,722,418 [IMAGE AVAILABLE]

L4: 3 of 8

ABSTRACT:

A method for mediating social and behavioral influence processes through an interactive telecommunications guidance system for use in medicine and business (10) that utilizes an expert (200) such as a physician, counselor, manager, supervisor, trainer, or peer in association with a computer (16) that produces and sends a series of motivational messages and/or questions to a client, patient or employee (50) for changing or reinforcing a specific behavioral problem and goal management. The system (10) consists of a client database (12) and a client program (14) that includes for each client unique motivational messages and/or questions based on a model such as the transtheoretical model of change comprising the six stages of behavioral change (100) and the 14 processes of change (114), as interwining, interacting variables in the modification of health, mental health, and work site behaviors of the client or employee (50). The client program (14) in association with the expert (200) utilizes the associated 14 processes of change (114) to move the client (50) through one of the six stages of behavioral change (100) when appropriate by using a plurality of transmission and receiving means. The database and program are operated by a computer (16) that at preselected time periods sends the messages and/or questions to the client (50) through use of a variety of transmission means and furthermore selects a platform of behavioral issues that is to be addressed based on a given behavioral stage or goal (100) at a given time of day.

US PAT NO: 5,659,741 [IMAGE AVAILABLE]

L4: 4 of 8

ABSTRACT:

A computer system and method for programming it for storage of individual medical histories on a storage device, preferably about the size of a credit card, for adding new medical data about the individual to the device and for communicating with other computers to retrieve large data records about the individual; and for enabling a second computer to collate and sort data relating to selected medical fields from the data of such individual and from the data about other individuals transferred to the second computer.

US PAT NO: 5,633,919 [IMAGE AVAILABLE]

L4: 5 of 8

ABSTRACT:

A system and method for processing telephone calls and providing enhanced services is presented. The call processing system includes a billing system that processes billing information records for completed calls. In this type of processing, the billing system applies rate information stored in a rate file to the completed call parameters contained within the billing information record. Derived billing information is subsequently stored in a toll file. The billing system also uses rate

information stored in the rate file to respond in real-time to rate quote requests. Upon receipt of a rate quote request from a requesting system, the billing system retrieves rate information from the rate file, calculates a cost/minute of a desired call, and returns a rate quote to the requesting system.

US PAT NO: 5,615,251 [IMAGE AVAILABLE]

L4: 6 of 8

ABSTRACT:

A system and method for reconfiguring a validation system in real time is presented. An operator console receives a call having one or more pieces of information that are to be validated. The operator console sends a validation request to a validation system. The validation system includes a database that stores instructions that define at least a part of a validation procedure corresponding to the validation request. The validation procedures can be changed in a manner transparent to the operation of the operator console.

US PAT NO: 5,590,181 [IMAGE AVAILABLE]

L4: 7 of 8

ABSTRACT:

A system and method for processing telephone calls and providing enhanced services is presented. The call processing system includes a network control processor for controlling the processing and routing of the calls and for providing enhanced features, and a matrix switch for routing calls from an originating location to a terminating location. Operator consoles can be included to provide operator assistance to the caller. The network control processor comprises a central message processor that receives call data, determines the type of call, determines the processing required, and determines whether operator assistance is required. A call route distributor allocates an operator console to the call if required. A billing server is used to track billing information for the call while it is in progress. A database server is provided for database look-ups and storage. The call processing system also includes a validation system, a billing system, a distribution system, and a fraud detection and prevention system. The validation system is used to validate call information to determine whether the call can be placed. The billing system determines rates for calls and calculates the cost of completed calls. The distribution system distributes changes that are made to a master database to the appropriate slave database. The fraud detection and prevention system monitors originating and in-process calls to detect and possibly prevent possible fraudulent uses of phone services and systems. A client interface is provided to facilitate communications among applications and DEF records are used to define specific call processing actions.

US PAT NO: 5,473,143 [IMAGE AVAILABLE]

L4: 8 of 8

ABSTRACT:

The technical field of the invention generally concerns electronic mail systems. The present invention provides an ATM or POS system having a terminal (22, 24, 26, 28 or 34) and processor (18 or 36) which are connected to an ATM or POS data communications network. The network also includes a store and forward message switch (52) which stores user messages for remote retrieval and use as an electronic mail system (10) on a data communications network (42). Messages can be stored or retrieved through standard ATM or POS terminals, through a service bureau, through touch tone telephones (84) or via modems (76). Messages can be retrieved remotely and sent to a facsimile machine (82), a remote paging device, computer (72) or the like. Message information may include payment of user bills, completion of user financial transactions and transmission of information from a variety of databases. Such message information may be generated and transmitted by the system at times predetermined by the user.